

FIG.1

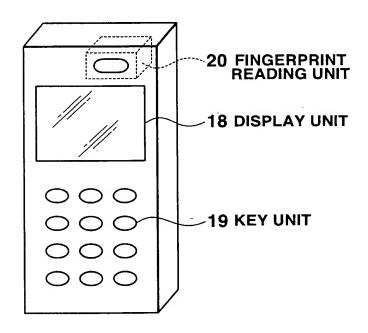


FIG.2

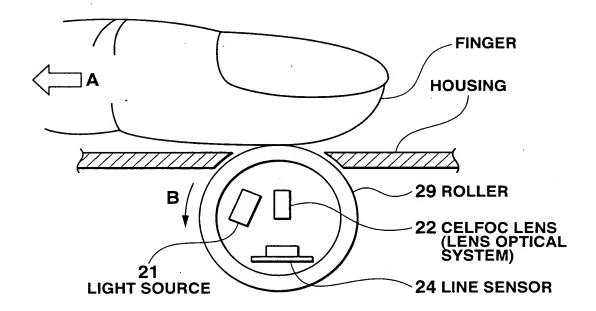


FIG.3

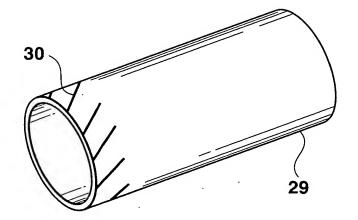


FIG.4

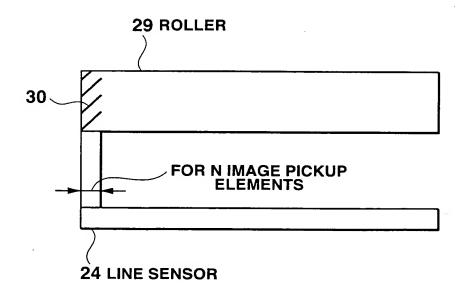


FIG.5

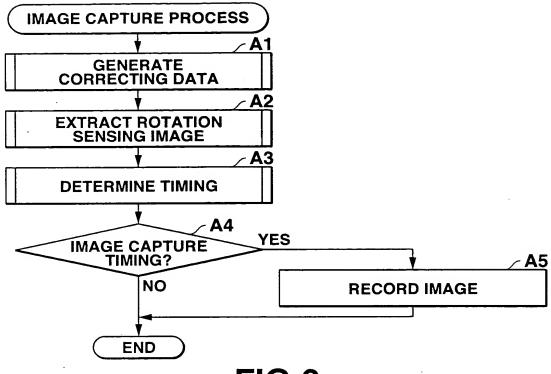


FIG.6

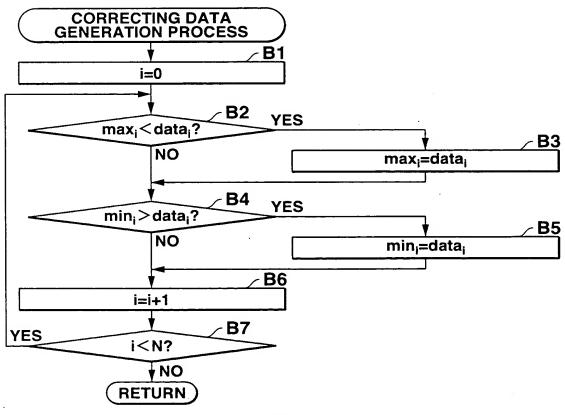
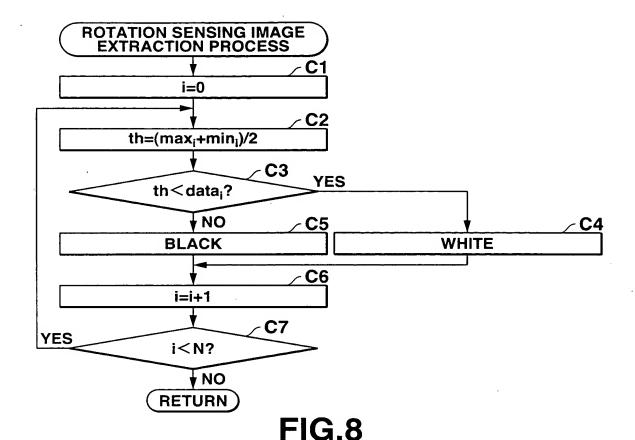


FIG.7



TIMING DETERMINATION PROCESS **D1** DETECT ONE OR TWO PRINTING PORTIONS FROM ROTATION **SENSING IMAGE D2** COMPARE PRINTING PORTIONS WITH A LOCATION DETECTED LAST TIME WITH IMAGE CAPTURE TIMING FOR ALL COMBINATIONS **D3** IS MINIMUM YES DIFFERENCE GIVEN VALUE OR LARGER? **D4** NO - **D**5 **IMAGE CAPTURE TIMING NOT IMAGE CAPTURE TIMING RETURN** FIG.9

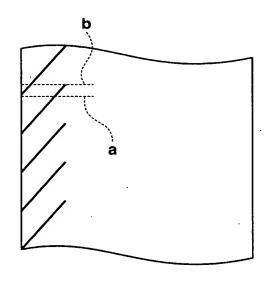
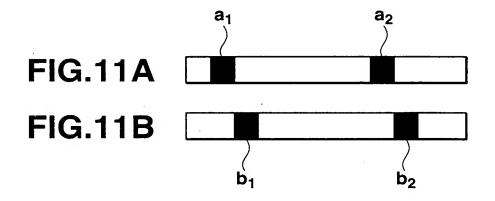
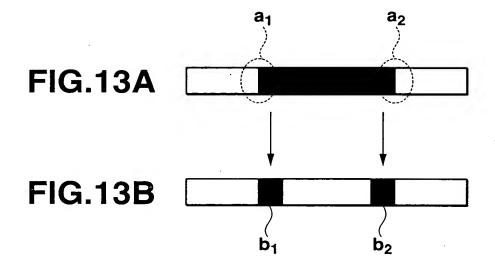


FIG.10





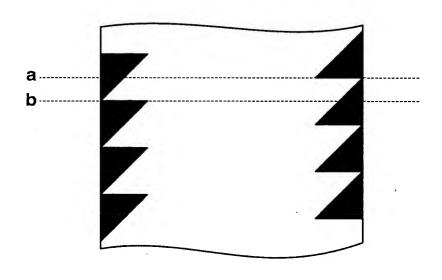


FIG.14

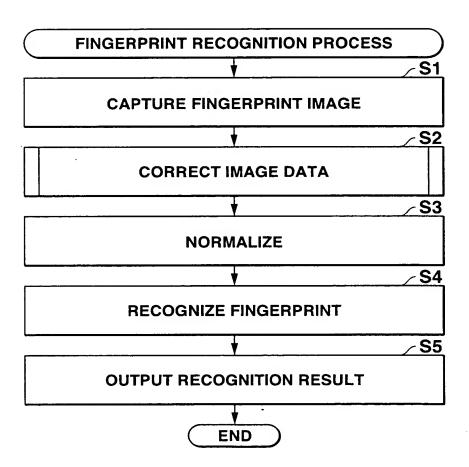


FIG.15

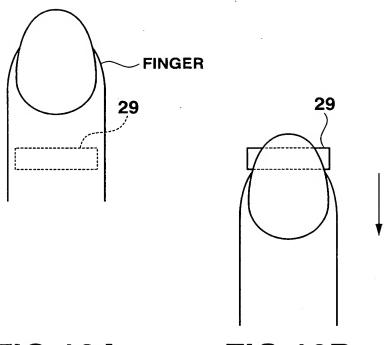


FIG.16A

FIG.16B

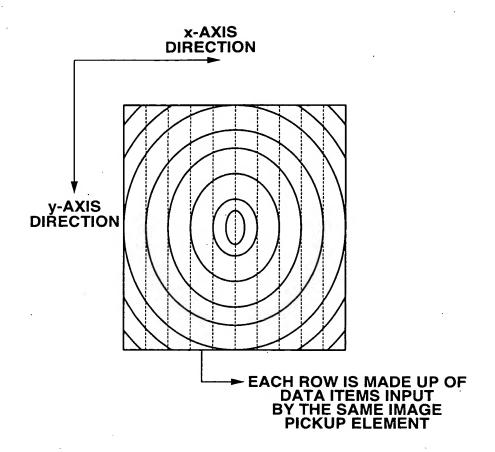


FIG.17

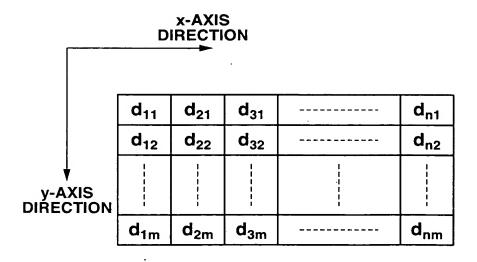


FIG.18

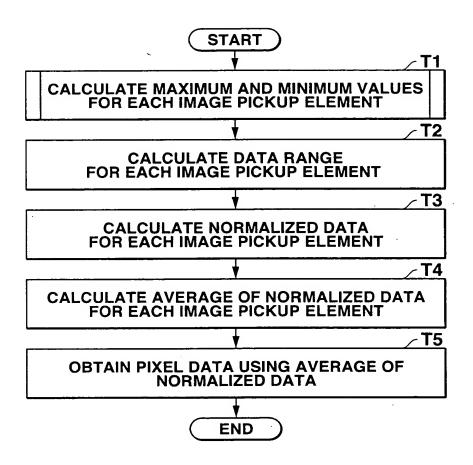


FIG.19

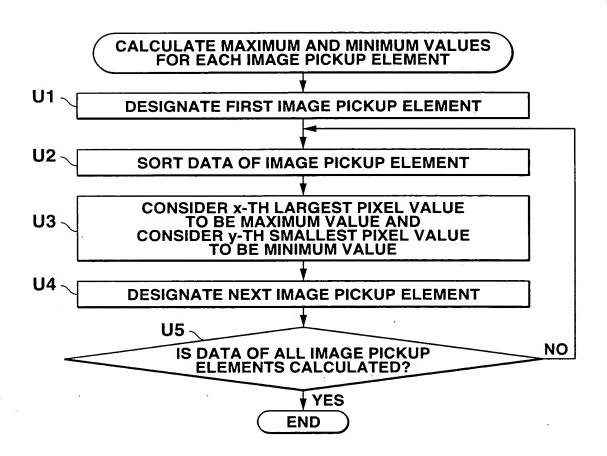


FIG.20

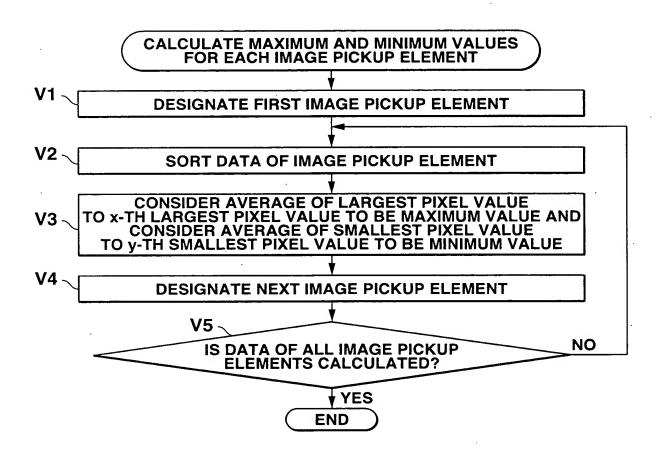


FIG.21